

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name:	Tethyclean Detergent
Manufacturer:	CEFLA S.C.
SDS Expiry:	5 October 2025
Supplier Details:	Henry Schein New Zealand 243-249 Bush Road, Rosedale, Auckland, 0632 PO Box 101 140, North Shore, Auckland 0745 Ph. 0800 808 855 www.henryschein.co.nz
Emergency Contacts:	Poisons/Hazardous Chemical Info Centre – 0800POISON/0800764766 (24 Hours) Phone 111 for Fire, Ambulance or Police
HSNO Class/Category:	Non-Hazardous
HSNO Group Standard:	Non-Hazardous
Statements/Pictograms:	As per attached Safety Data Sheet (SDS)
Date Prepared:	This coversheet was prepared – October 2023

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

CEFLA S.C. Via Selice Provinciale 23/A,

40026 Imola BO (Italy) Ph. +39 0542 653111 – Fax +39 0542 653444 www.cefla.com

SAFETY DATA SHEET

(EC) Reg no. 1907/2006 - (EC) Reg. 1272/2008

Product: **TETHYCLEAN**

CONCENTRATED DETERGENT FOR MEDICAL AND DENTAL TOOLS AND INSTRUMENTS

rev.2

Date: 05.10.2018

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1.1. PRODUCT IDENTIFICATION NAME	Tethyclean
	Concentrated detergent for medical and dental tools and instruments
1.2. APPROPRIATE USE AND NOT RECOMMENDED USE OF THE SUBSTANCE OR MIXTURE	Use in spray or ultrasound washing machines for medical and dental tools and instruments. Do not use to wash other objects, surfaces or skin
I.3. INFORMATION REGARDING THE SUPPLIER OF THE SAFETY DATA SHEET	Manufacturer CEFLA S.C. Via Selice Provinciale 23/A 40026 Imola BO (Italy) Ph. +39 0542 653111 – Fax +39 0542 653444 <u>ceflaimola@cefla.it</u>
1.4. EMERGENCY TELEPHONE NUMBER	Australia Poisons Information Centre Ph: 13 11 26 (24hr/7days) New Zealand Poison Information Centre Ph: 0800 POISON (0800 764 766)
SECTION 2: DANGER IDENTIFICATIO	N
2.1. SUBSTANCE OR MIXTURE CLASSIFICATION	The product is not classified as hazardous pursuant to (EC) Regulation 1272/2008 (CLP) and subsequent amendments and additions.
CLASSIFICATION	(CLP) and subsequent amendments and additions. Danger pictogram:
CLASSIFICATION	(CLP) and subsequent amendments and additions. Danger pictogram: not applicable Warnings:

P262 Do not get in eyes. P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3. OTHER DANGERS

Based on available data PBT or vPvB substance content in the product does not exceed 0.1%

SECTION 3: COMPOSITION / INFORMATION ON THE INGREDIENTS

3.1. SUBSTANCES

Not applicable

3.2. MIIXTURE

Substances composing the mixture	Concentration % m/m	Classification (EC) Regulation 1272/2008 and subsequent amendments and additions
WATER CAS 7732-18-5 EC 231-791-2 INDEX:	< 70	Unclassified

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Product: **TETHYCLEAN** CONCENTRATED DETERGENT

FOR MEDICAL AND DENTAL TOOLS AND INSTRUMENTS

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PROTEASE – SUBTILISIN CAS 9014-01-1 EC INDEX	0.01 – 0.05	Acute Tox. 4 H302, STOT Skin irrit 2 H315, Eye Dam Resp Sens 1 H334 Aquatic Acute 1 H400	
1.2 BENZISOTHIAZOLIN-3-ONE CAS 2634-33-5 EC 220-120-9 INDEX	0.01 – 0.03	Acute Tox. 4 H302, Skin Irrit 2 H315, Eye Dam 1 H318 Skin Sens 1 H317 Aquatic Acute 1 H400	
SODIUM HYDROXIDE CAS 1310-73-2 EC 215-185-5 INDEX 011-002-00-6	< 0.01	Skin corr 1A H314	
PROPYLENE GLYCOL CAS 57-55-6 EC INDEX	< 0.01	Unclassified	
OTHER INGREDIENTS Amphoteric surfactants Phosphonates	< 5	Unclassified	

SECTION 4: FIRST-AID MEASU	JRES					
4.1. DESCRIPTION OF FIRST-AID	General Indications					
MEASURES	It is not expected that normal use of the product leads to acute risk.					
	Inhalation:					
	It is not expected that normal use of the product leads to acute risk.					
	Dermal contact:					
	Eve contact:	at normal use of the product leads to acute risk.				
		h water for several minutes. Remove contact lenses if present and easy to				
	If swallowed:					
	It is not expected th	at normal use of the product leads to acute risk.				
	Personal protective equal to the second protective equation of the second secon	uipment for anybody providing first-aid: r normal use.				
4.2. MAIN ACUTE AND DELAYED	Inhalation:					
SYMPTOMS AND EFFECTS	acute:	specific information regarding symptoms and effects is not				
	known delayed:	specific information regarding symptoms and effects is not				
	known	specific information regarding symptoms and enects is not				
	Dermal contact:					
	acute:	specific information regarding symptoms and effects is not				
	known					
	delayed:	specific information regarding symptoms and effects is not				
	known Eye contact:					
	acute:	specific information regarding symptoms and effects is not				
	known	opoonio internation regarding cymptonio and onotic to net				
	delayed:	specific information regarding symptoms and effects is not				
	known					
	If swallowed:					
	acute:	specific information regarding symptoms and delayed effects				
	is not known: known	specific information regarding symptoms and effects is not				

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ADVICE IMMEDIATELY AND Info OF SPECIAL TREATMENT Special Antidote	ndications: information not available				
SECTION 5: FIRE SAFETY MEASURES					
5.1. FIRE-EXTINGUISHING APPLIANCES	Suitable fire-extinguishing appliances: CO ₂ , Foam, Dry powder, Water spray fire extinguishers				
I	Jnsuitable fire-exti	uitable fire-extinguishing appliances for safety reasons: no one in particular			
5.2. SPECIAL DANGERS RESULTING A FROM THE SUBSTANCE OR THE MIXTURE	Avoid inhaling combustion products i				
EXTINGUISHING PERSONNEL	Cool the contai potentially deve Always wear or fire as it must r water used to e Protecting equipme Normal fire pro apparatus (EN protective cloth protective glove	ly away from the iners using water eloping health ha omplete fire prote not be discharged extinguish the fire ent for fire-exting tecting equipmer 137) ning (EN469)	fire area. jets to prevent product fro irmful substances. ecting equipment. Collect of d in the sewage system. D e and of the fire residual ac uishing personnel nt, as open- circuit compre	water used to extinguish the bispose of the contaminated ccording to the laws in force	

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTION EQUIPMENT AND EMERGENCY PROCEDURES	For non-emergency personnel: Keep unnecessary and unprotected personnel from entering. For emergency personnel: Use breathing equipment if fumes or powders are released into the air. These indications refer to operating conditions as well as for emergency events Suitable material for personal protection equipment: not available
6.2. ENVIRONMENTAL PRECAUTIONS	Prevent the product from flowing into the sewage system, into surface water, into ground water
6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP	Modes to contain leakage and to clean-up: dam with earth or inert material Pick up as much material as possible and eliminate the residues with water jets. Dispose of according to the provisions in Sect. 13
6.4. REFERENCE TO OTHER SECTIONS	Other information regarding individual protection and disposal are included in Section 8 and 13

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SECTION 7: HANDLING AND STORA	SECTION 7: HANDLING AND STORAGE						
7.1. PRECAUTIONS FOR SAFE HANDLING	Safe handling Handle the product after having consulted all the sections of this Safety Data Sheet Provide eye protection. Avoid disposing of the product in the environment Do not eat, drink or smoke when using the product.						
	Other information in section 8.						
7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING POSSIBLE INCOMPATIBILITIES	Store in the original container far from material which may be incompatible, refer to Sect. 10						
7.3. SPECIFIC FINAL USE	The product is for professional use only USE according to the instructions of the tool washing machine						

SECTION 8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION

8.1. CONTROL PARAMETERS

Regulatory references: GBR United Kingdom – EH40/2005 Workplace exposure limits TLV-ACGIH 2017

PROPILENGLICOL

Threshold Limit Values

Turne	Country	TW	A/8h	STEL/15 min		
Туре	Country	mg/m3	ppm	mg/m3	ppm	
WEL	GBR	474	150			

Predicted No Effect Concentration - PNEC

Reference value in fresh water	260	mg/L
Reference value in sea water	26	mg/L
Reference value for sediments in fresh water	572	mg/kg
Reference value for sediments in sea water	57.2	mg/kg
Reference value for water, intermittent release	183	mg/L
Reference value for STP microorganisms	20000	mg/L
Reference value for earth environment	50	mg/kg

Derived no-effect level DNEL - DMEL

Workers

Systemic effects - acute		Local effects - acute		Systemic effects - long term		Local effects - long term		
Ē	Dermal contact	Inhalation	Dermal contact	Inhalation	Dermal contact	Inhalation	Dermal contact	Inhalation
	n.a.	n.a.	n.a.	n.a.	n.a.	168 mg/m3	n.a.	10 mg/m3

Consumers

Systemic effects - acute		Local effects - acute		Systemic effects - long term			Local effects - long term		
Dermal contact	Inhalation	Oral contact	Dermal contact	Inhalation	Dermal contact	Inhalation	Oral contact	Dermal contact	Inhalation
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	50 mg/m3	n.a.	n.a.	10 mg/m3

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SODIUM HYDROXIDE

Threshold Limit Values

Turne	Country	TWA	4/8h	STEL/15 min		
Туре		mg/m3	ppm	mg/m3	ppm	
WEL	GBR			2		
TLV-ACGIH				2(C)		

Derived no-effect level DNEL - DMEL

Workers

Systemic effects - acute		Local effects - acute		Systemic effects - long term		Local effects - long term	
Dermal contact	Inhalation	Dermal contact	Inhalation	Dermal contact	Inhalation	Dermal contact	Inhalation
n.a.	n.a.	n.a.	n.a.	n.a.	1 mg/m3	n.a.	1 mg/m3

Consumers

ſ	Systemic effects - acute		Local effects - acute		Systemic effects - long term			Local effects - long term		
Ī	Dermal contact	Inhalation	Oral contact	Dermal contact	Inhalation	Dermal contact	Inhalation	Oral contact	Dermal contact	Inhalation
ſ	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1 mg/m3

Key:

(C) = Ceiling; INALAB = Fraction that can be inhaled; RESPIR = Fraction that can be breathed; TORAC = Thorax fraction

8.2. EXPOSURE CONTROLS

Comply with usual safety measures when handling chemical substances

Suitable technical checks

the intended use for the mixture does not require the need to provide exposure technical checks

Individual precautionary measures, such as individual protection equipment

Eye / face protections	Wear safety glasses
Skin protection	Wear normal working clothes
Hand protection	wear rubber butyl, fluorocarbon rubber, nitrile, PVC protection gloves
Respiratory protection	not necessary, unless otherwise indicated by chemical risk evaluation

Protections against thermal dangers: not expected for the intended use

Other: See Sect. 7.1

Environmental exposure controls:

Emissions due to operating processes, including emissions due to ventilation systems, should be controlled for the sake of compliance with the legislation for environmental protection

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION REGARDING	a) Aspect	Amber coloured liquid
PHYSICAL AND CHEMICAL PROPERTIES	b) Characteristic	odour
	c) Odour threshold	Not available

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	d) pH	> 10
	e) melting point / freezing point	Not available
	f) initial boiling point and boiling range	Not available
	g) flashpoint	> 60 °C
	h) evaporation rate	Not available
	i) flammability (solid/gas)	Not available
	j) upper / lower flammability or explosive limits	Not available
	k) vapour pressure	Not available
	I) vapour density	Not available
	m) relative density	1.18 g/mL
	n) solubility	Soluble
	 o) partition coefficient: n-octanol on water 	Not available
	p) auto ignition temperature	Not available
	q) decomposition temperature	Not available
	r) viscosity	Not viscous
	s) explosive properties	Not explosive
	t) oxidizing properties	Non oxidizing
9.2. OTHER INFORMATION	VOC (Volatile Organic Compounds)	Absent (0.0 %)

SECTION 10: STABILITY AND REACTIVITY				
10.1. REACTIVITY	No particular reactivity dangers with other substances in normal intended use conditions have to be reported			
10.2. CHEMICAL STABILITY	It is stable in normal use and storage conditions			
10.3. POSSIBILITY OF HAZARDOUS REACTIONS	Hazardous reactions are not expected in normal use and storage conditions.			
10.4. CONDITIONS TO AVOID	None in particular - Please refer to usual precautions when using chemical products			
10.5. INCOMPATIBLE MATERIALS	Information not available As a general rule avoid strong acids and strong oxidizing agents			
10.6. HAZARDOUS DECOMPOSITION PRODUCTS	Information not available			

SECTION 11: TOXICOLOGICAL INFORMATION

No episodes of damage to health due to exposure to the product have been reported. In any case it is recommended to work according to safety and hygiene regulations of good industrial practice 11.1. INFORMATION ON TOXICOLOGIC EFFECTS

<u>Metabolism, kinetics, mechanism of action and other information</u> Information not available

Information regarding the probable exposure routes Information not available

Immediate, delayed and chronic effects due to short and long term exposure Information not available

Interactive effects Information not available

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ACUTE TOXICITY

LC50(Inhaling) of the mixture: unclassified (no significant component) LD50 (Oral) of the mixture: unclassified (no significant component) LD50 (Skin) of the mixture unclassified (no significant component)

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

TOXICITY FOR REPRODUCTION

It does not meet the classification criteria for this hazard class

<u>SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) SINGLE EXPOSURE</u> It does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) REPEATED EXPOSURE It does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION

It does not meet the classification criteria for this hazard class

SECTION 12: ENVIRONMENTAL PROTECTION INFORMATION

Eco-toxicological data for this product have not been specifically determined. Data are based on knowledge relevant to components and eco-toxicological information on similar products.

12.1. TOXICITY	information not available
12.2. PERSISTENCE AND DEGRADABILITY	information not available
12.3. BIOACCUMULATION POTENTIAL	information not available
12.4. MOBILITY IN SOIL	information not available
12.5. PBT AND VPVB EVALUATION RESULTS	based on available data pbt or vpvb substance content in the product does not exceed 0.1%
12.6. OTHER NEGATIVE EFFECTS	information not available

SECTION 13: CONSIDERATIONS ON DISPOSAL

 13.1. PROCEDURES FOR WASTE
 Product:

 MANAGEMENT
 Product residues have to be considered as not hazardous Medical Waste

 It must be disposed of through an authorized waste management firm, in compliance with European, National and local regulations regarding waste disposal

 Avoid dispersing the product in the soil, rivers and lakes, drains and sewage system

 Container:

 Polyethylene bottle.

 Recycling instead of incineration or landfilling has to be preferred

 Contaminated packages must be sent to recycling stations or disposal plants in compliance with European, National and local regulations regarding waste disposal

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SECTION 14: INFORMATIONS REGARDING TRANSPORT

The product is not classified as Hazardous Good pursuant to the laws in force regarding transport of dangerous substances

	ADR/RID ADN IMDG IATA/ICA			IATA/ICAO
14.1 UNO CODE		Not ap	plicable	
14.2 UNO SHIPPING NAME		Not ap	plicable	
14.3. HAZARD CLASS FOR TRANSPORT	Not applicable			
14.4. PACKING GROUP	Not applicable			
14.5. HAZARDS FOR THE ENVIRONMENT	Not applicable			
14.6. SPECIAL PRECAUTIONS FOR THE USERS	Not applicable			
14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	Not relevant information			

SECTION 15: INFOMATION ON REGULATIONS 15.1. SPECIFIC LAWS AND Directive 93/42/EEC (Medical Devices) **REGULATIONS REGARDING** Directive 99/13/EC (Volatile organic compound) HEALTH, SAFETY AND (EC) Regulation 1272/2008 (Hazardous substances and mixtures) -(EC) Regulation 1907/2006 (REACH - Safety Data Sheets) ENVIRONMENT FOR THE SUBSTANCE OR THE MIXTURE (EC) Regulation 648/2004 (detergents) Other law and regulation references judged not relevant for the product: (EC) Regulation 1005/2009 (ozone-depleting substances) (EC) Regulation 850/2004 (persistent organic pollutants) (EC) Regulation 649/2012 (export and import of dangerous chemicals) Seveso Category - Directive 2012/18/EC None Restrictions for Substances Annexe XVII EC Reg 1907/2006 none Candidate substance for List according to Art. 59 REACH Based on available data SVHC content in the product does not exceed 0.1% Substances subject to authorization Annex XIV REACH: none Substances subject to export notification obligation (EC) Reg 649/2012 none Substances subject to Rotterdam Convention: none Substances subject to Stockholm Convention: None Sanitary Checks: information not available **15.2. EVALUATION OF CHEMICAL** No evaluation for chemical safety has been issued for the mixture and the substances SAFETY contained in the mixture

SECTION 16: OTHER INFORMATION

a) Revision of Safety Data Sheet

Revision 2: Sections n 1.

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b) Legend	DNE PNE ADN wate ADR road IATA ICAC IMDC IMO RID PBT	 not applicable ND = not available L = Derived no-effect level C = Predicted no-effect concentration I - European Agreement concernierways C - European Agreement concernierways A - International air transport association or G - International civil aviation or G - International maritime danger International maritime organisation or Regulations concerning the international concerning the concerning the international concerning the international concerning the concernational concerning the concernationa	ation ng the international carriage of ng the international carriage of ociation ganization rous goods code ation ernational carriage of dangerou xic substance	dangerous goods by			
c) Bibliographic references Data Sources		ty Data Sheets for Raw Materials opean Directives and Regulations					
d) Information evaluation methods	(EC)	criteria mentioned in the following Regulation 1272/2008 – Art. 9 pa sification or differentiation criteria	aragraph 1:				
e) List of relevant risk phrases	Risk	phrases listed in Sect. 3.2 releva	int to ingredients				
	H314 H315 H317 H318 H318	H302 – Harmful if swallowed H314 – Causes severe skin burns and eye damage H315 – Causes skin irritation H317 – May cause an allergic skin reaction H318 - Causes serious eye damage. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H400 – Very toxic to aquatic life					
f) Formation for employees		pliance with the indications for us n in this Safety Data Sheet is eno		with the indications			

NOTE

The information supplied in this Safety Data Sheet is provided in good faith and based upon our present knowledge and experience with the product. Its purpose is to describe the product from the safety standpoint. In no case the user is exempted from keeping, handling, storing and using the product according to the instructions given in the label and/or supplied with the product and in compliance with laws, administrative and regulatory standards regarding the product and occupational safety. The producer therefore declines all responsibility for any eventual improper or incorrect use.